

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

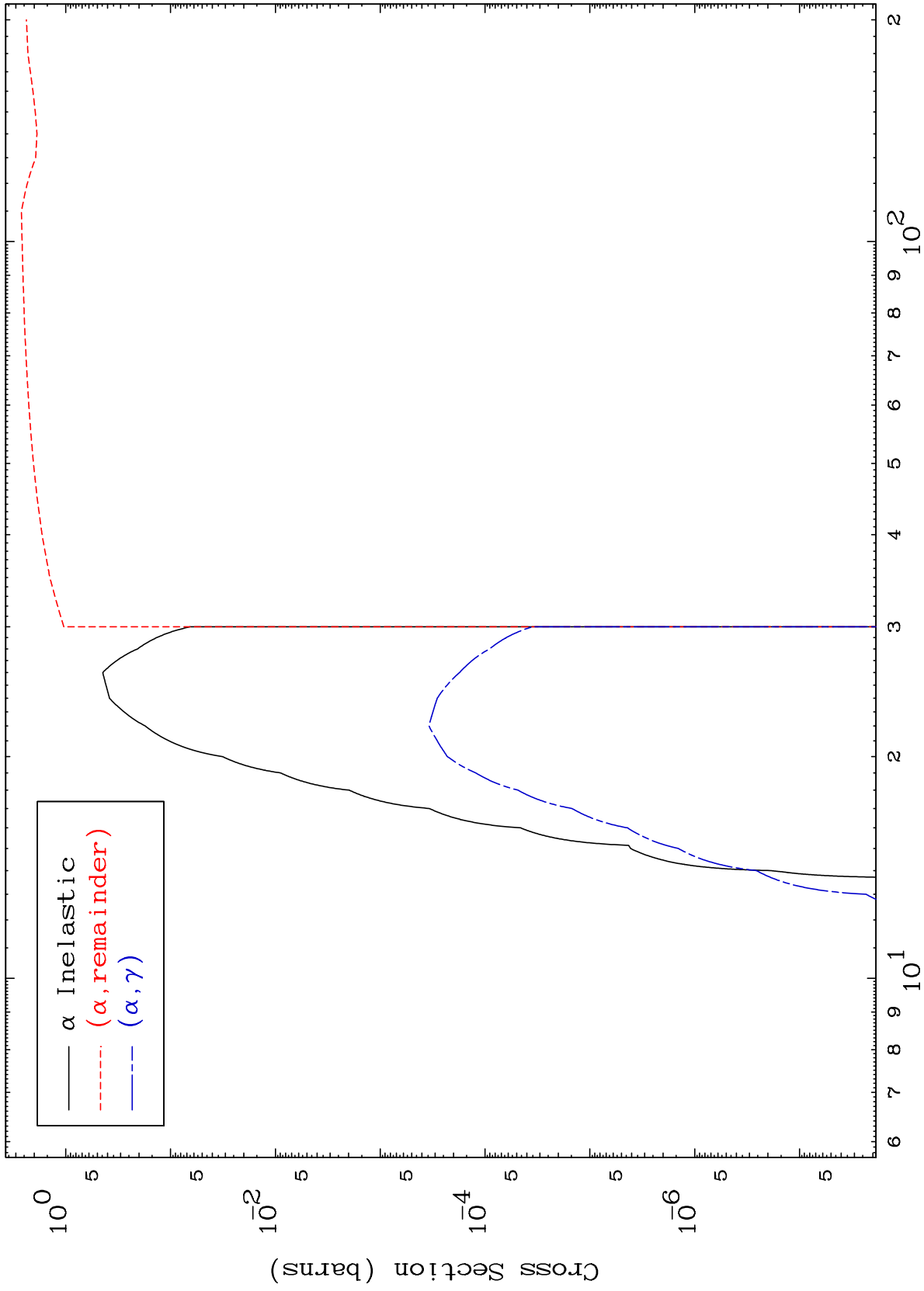
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8304

0 Kelvin α Major
Cross Sections

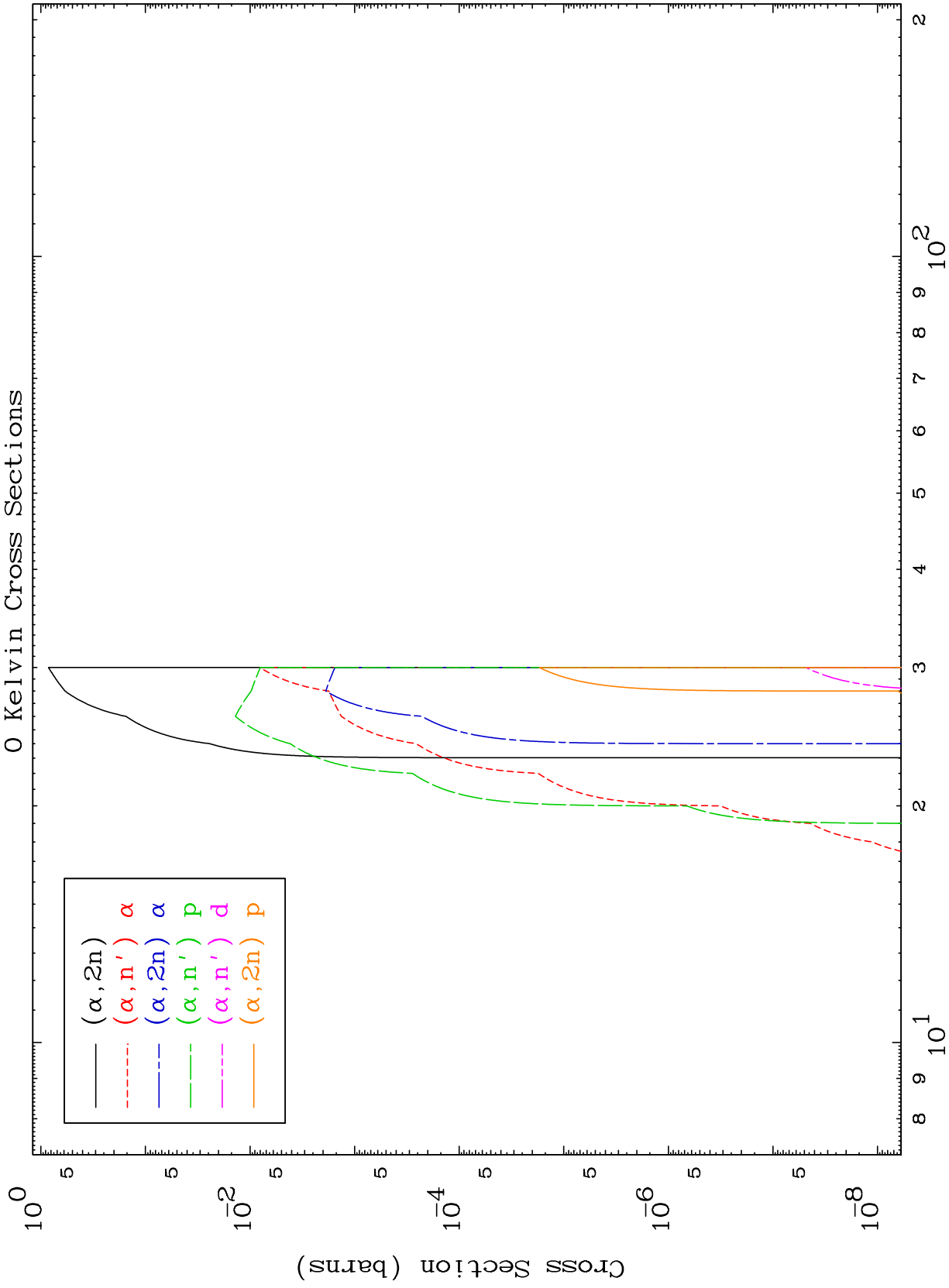
83-Bi-202



MAT 8304

α Neutron Production
0 Kelvin Cross Sections

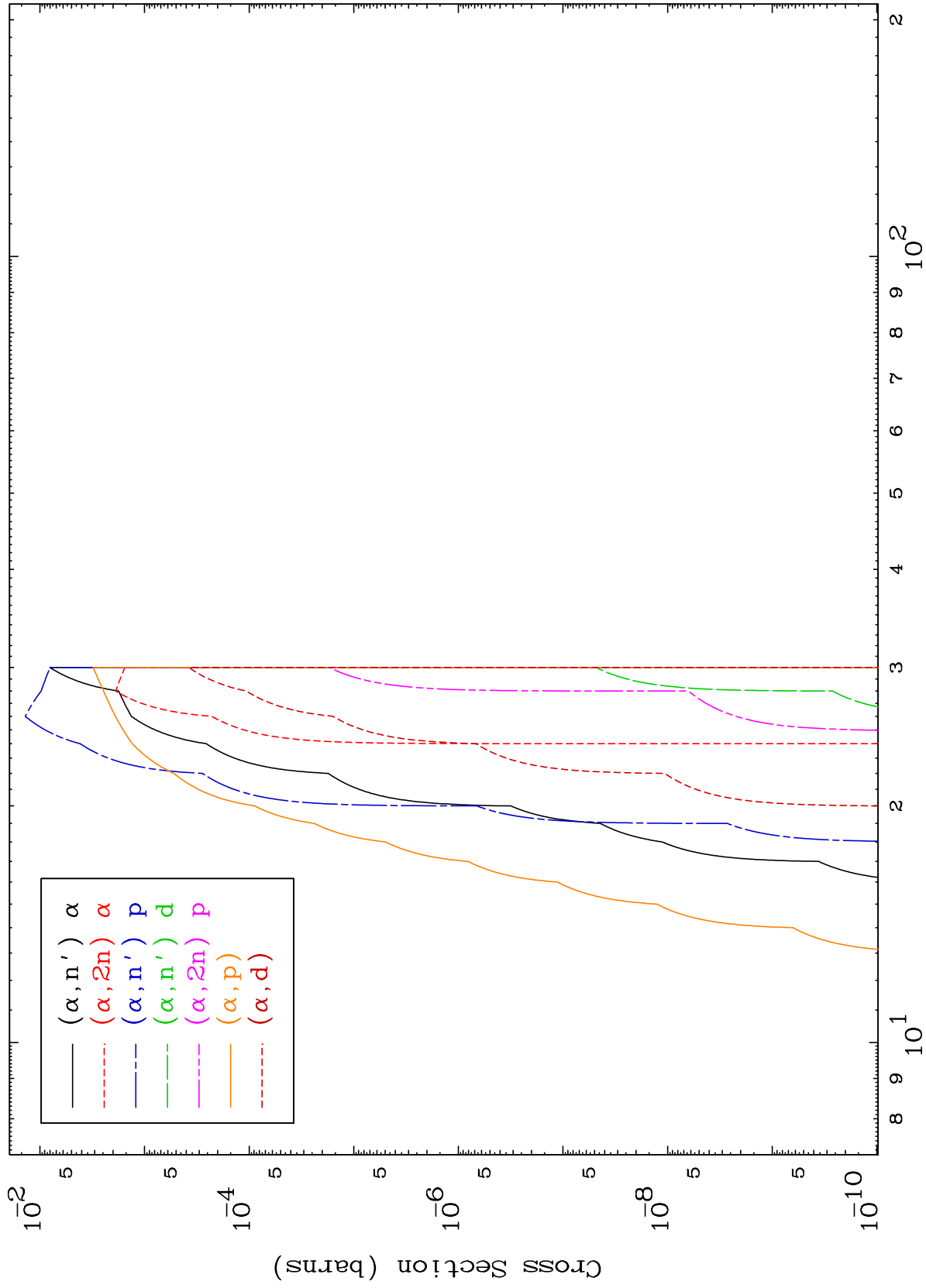
83-Bi-202



2

Incident Energy (MeV)

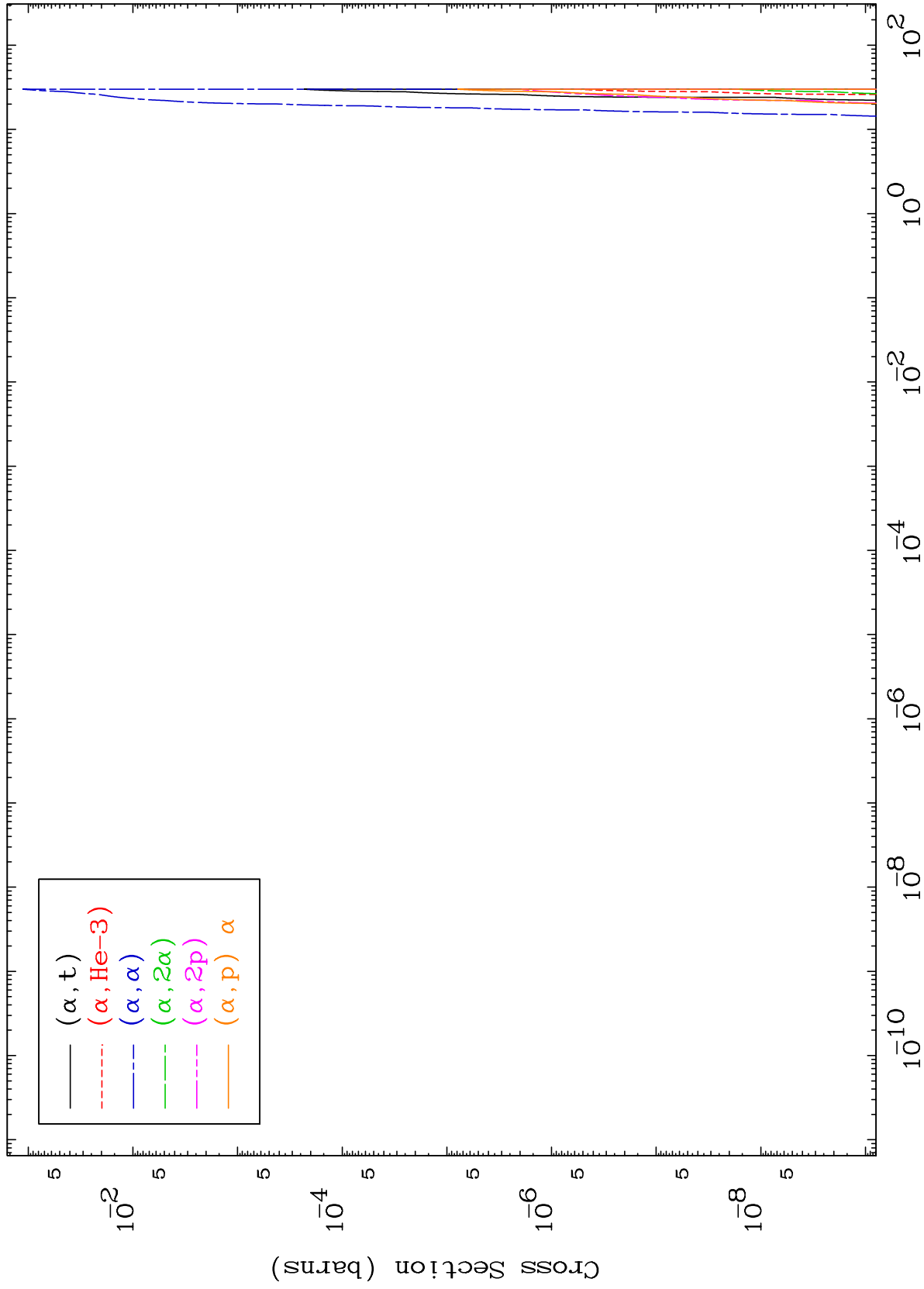
83-Bi-202



MAT 8304

α Charged Particle
0 Kelvin Cross Sections

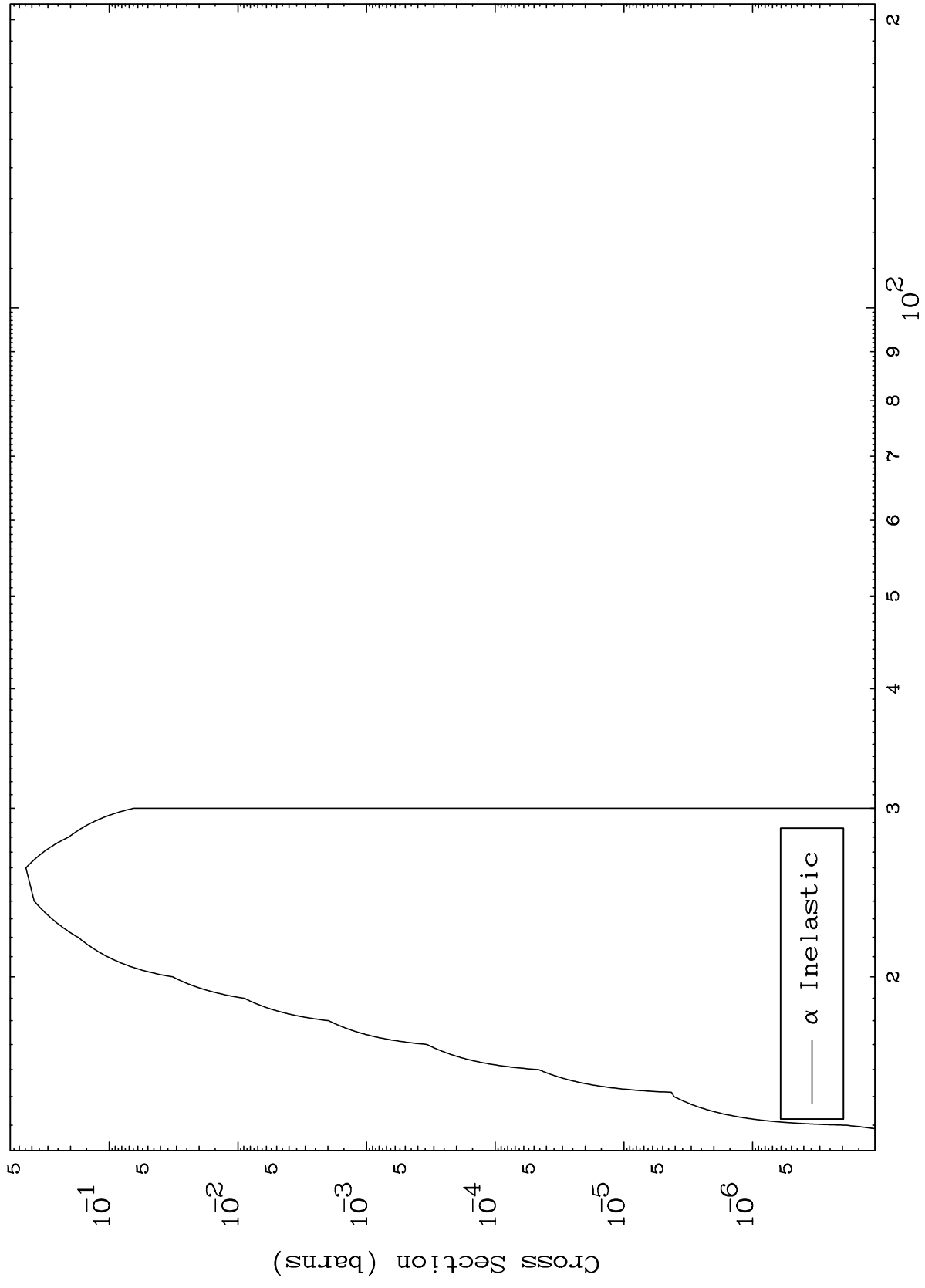
83-Bi-202



MAT 8304

(α, n') Level
0 Kelvin Cross Sections

83-Bi-202



5

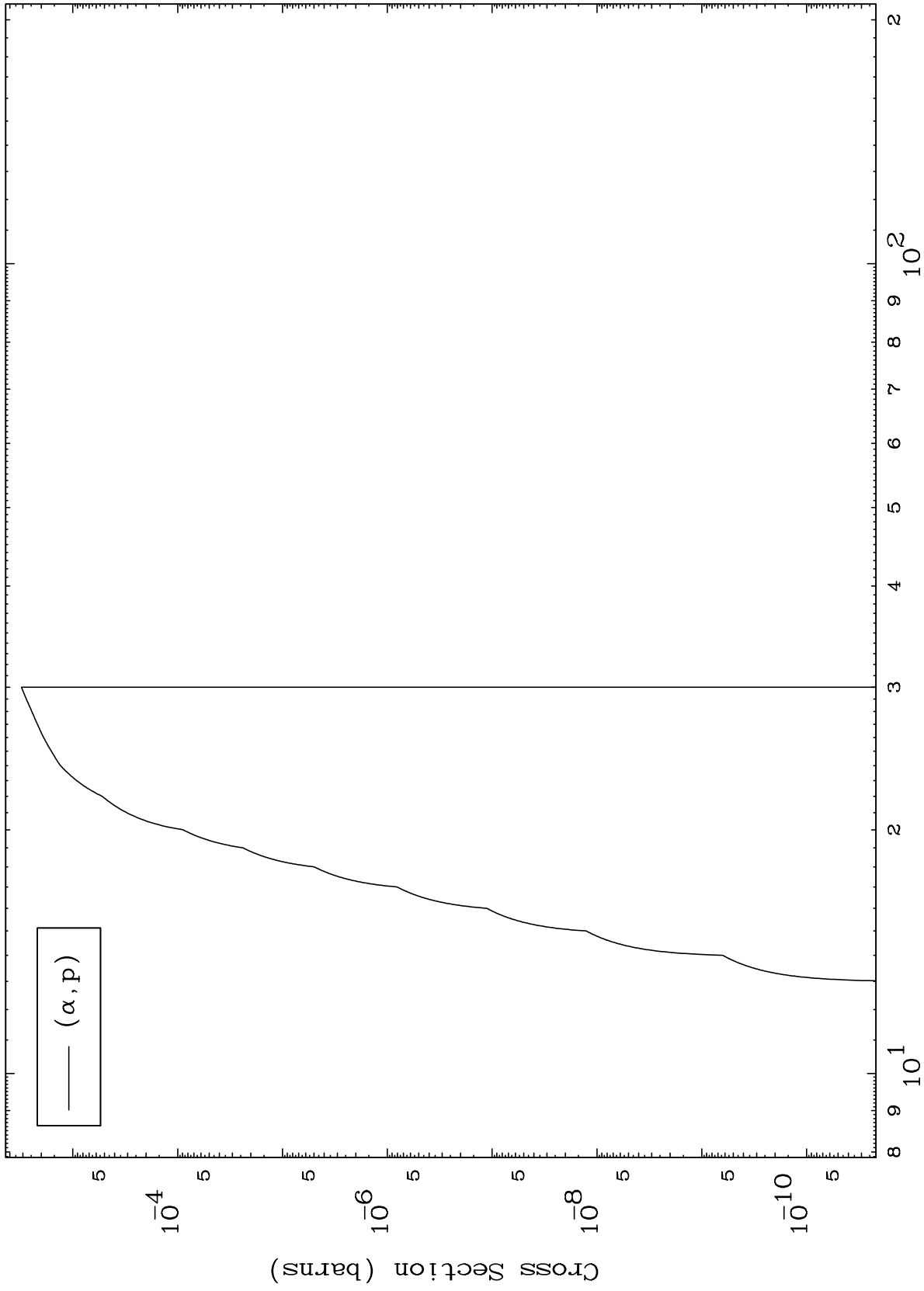
Incident Energy (MeV)

83-Bi-202

MAT 8304

(α, p) Levels
0 Kelvin Cross Sections

83-Bi-202

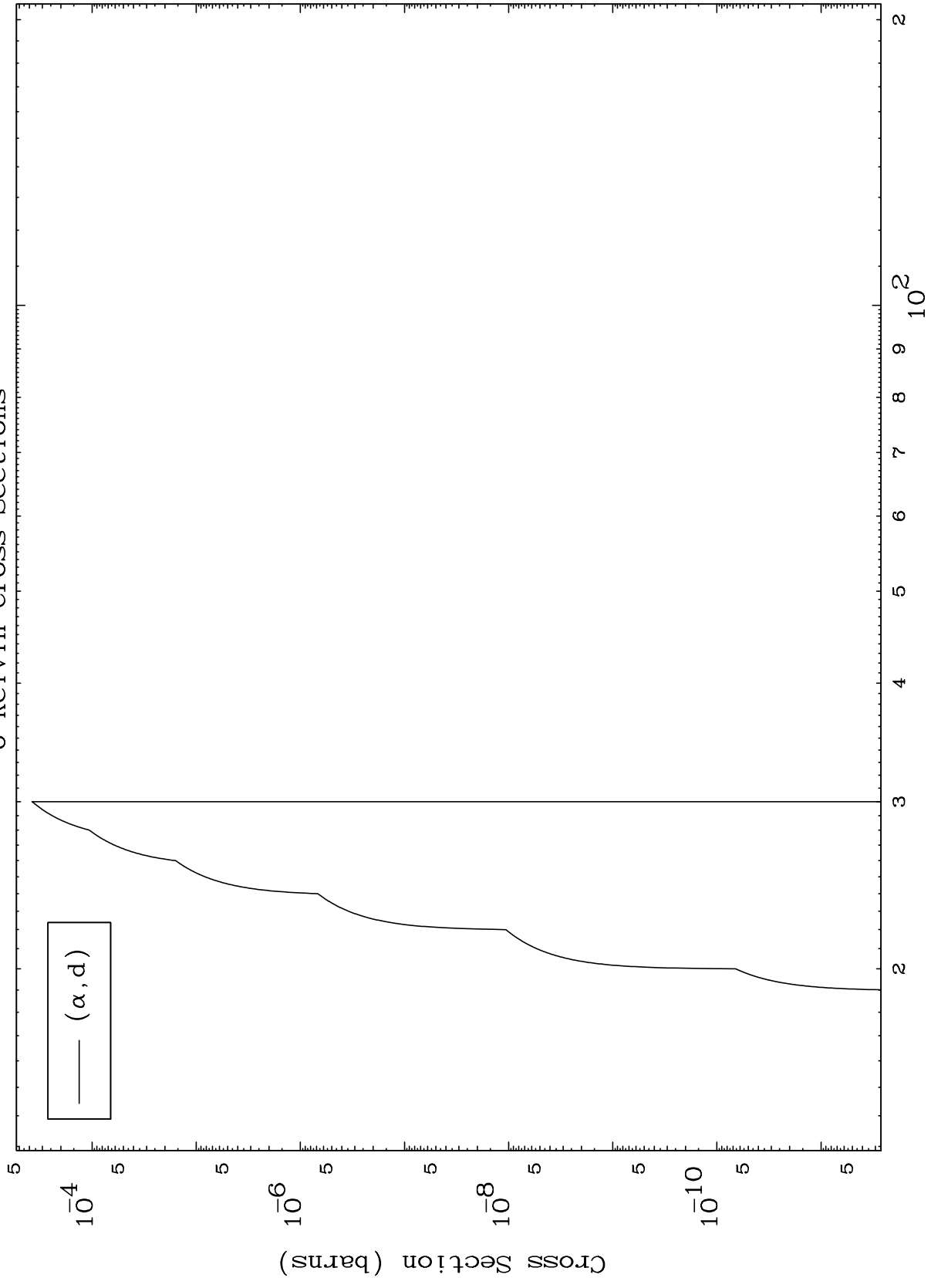


83-Bi-202

MAT 8304

(α, d) Levels
0 Kelvin Cross Sections

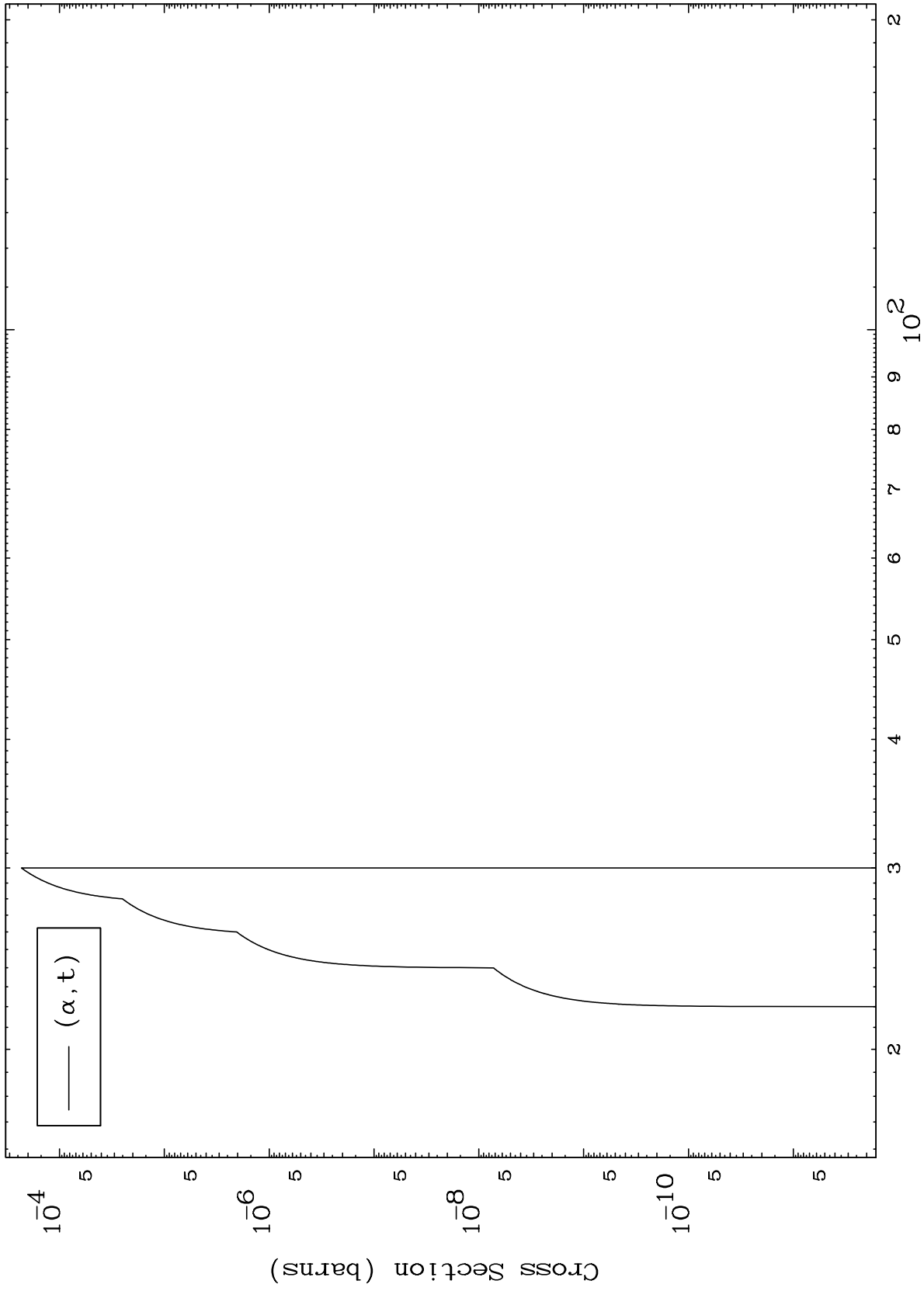
83-Bi-202

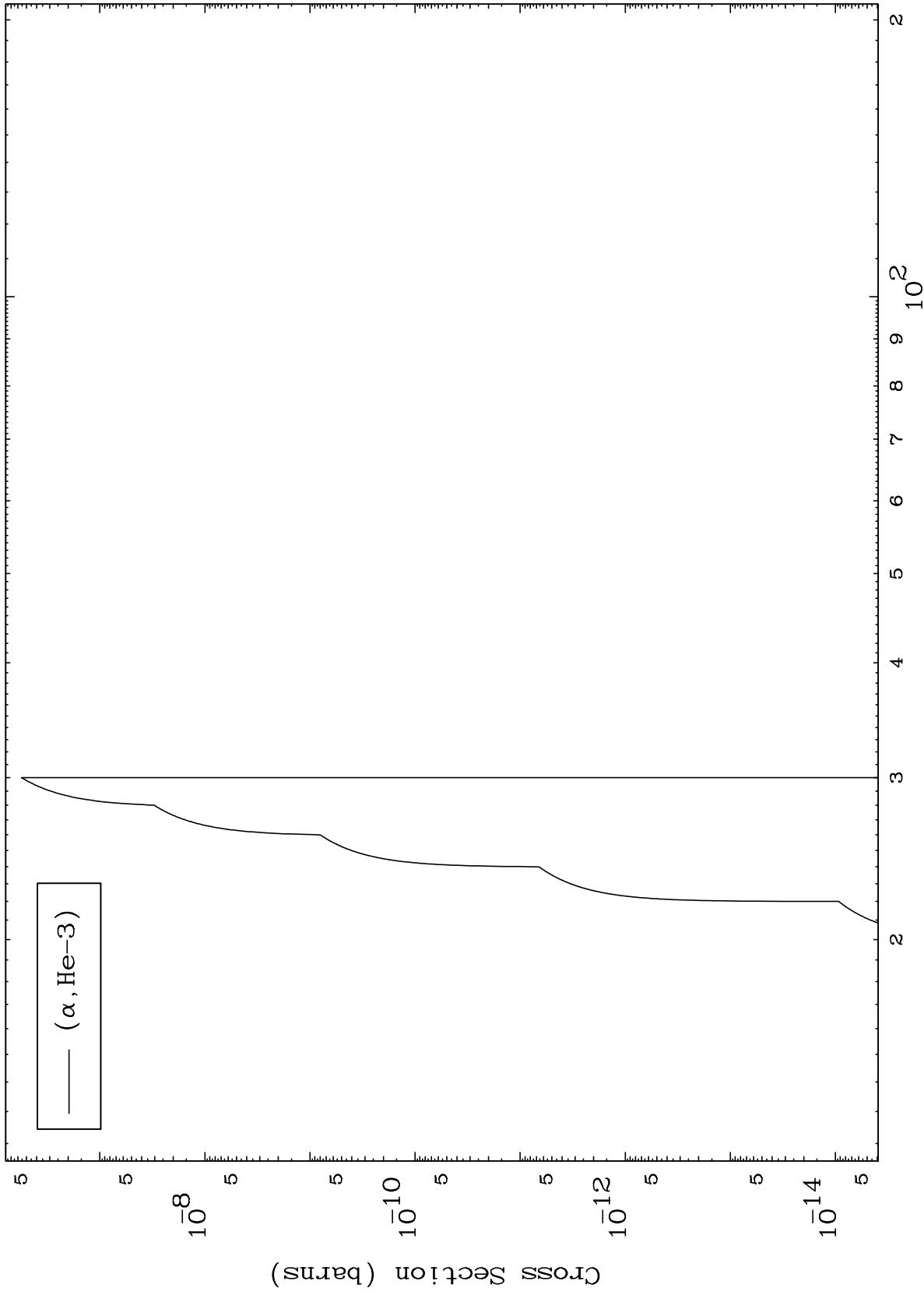


7

Incident Energy (MeV)

83-Bi-202

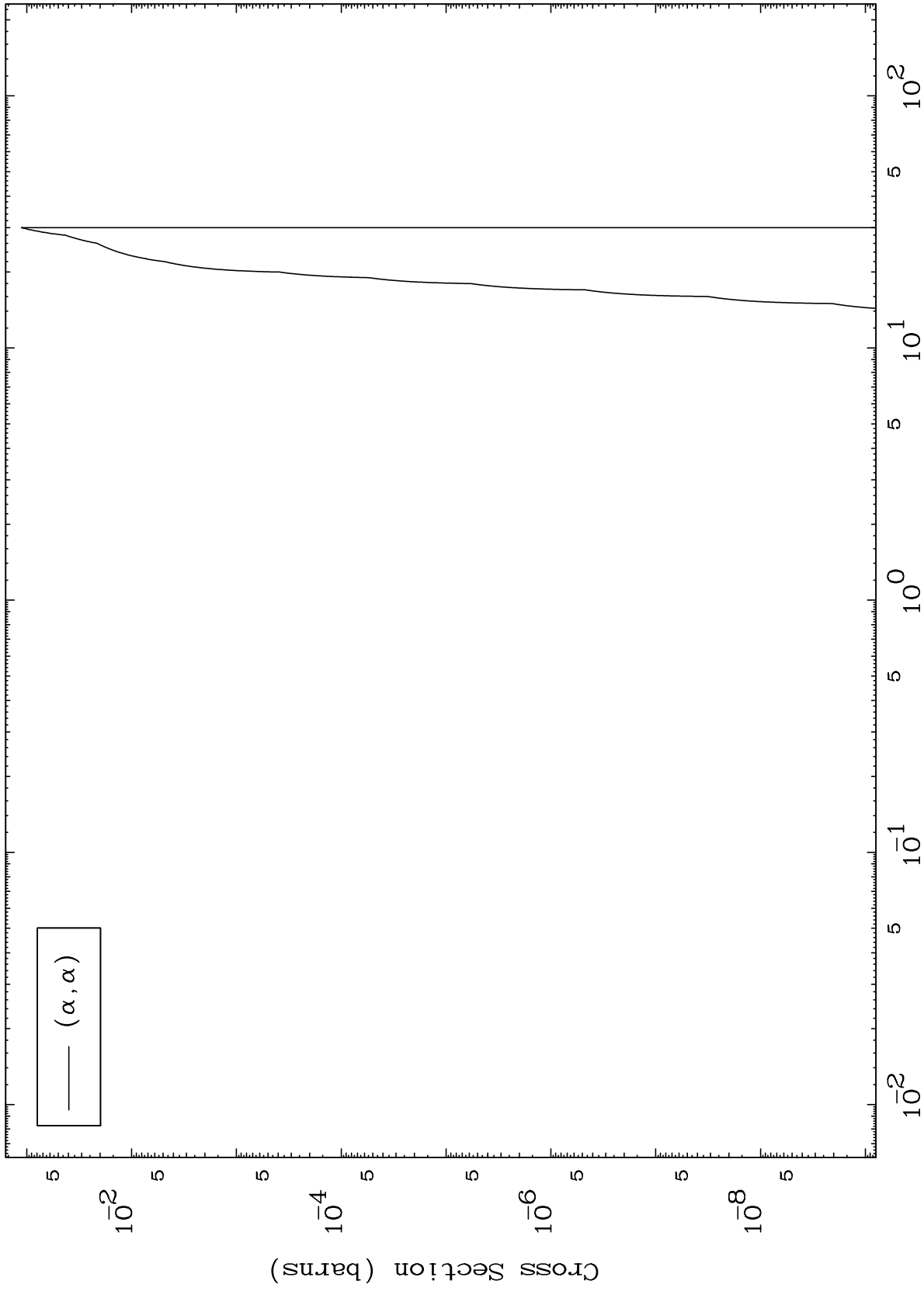




MAT 8304

(α, α) Levels
0 Kelvin Cross Sections

83-Bi-202



10

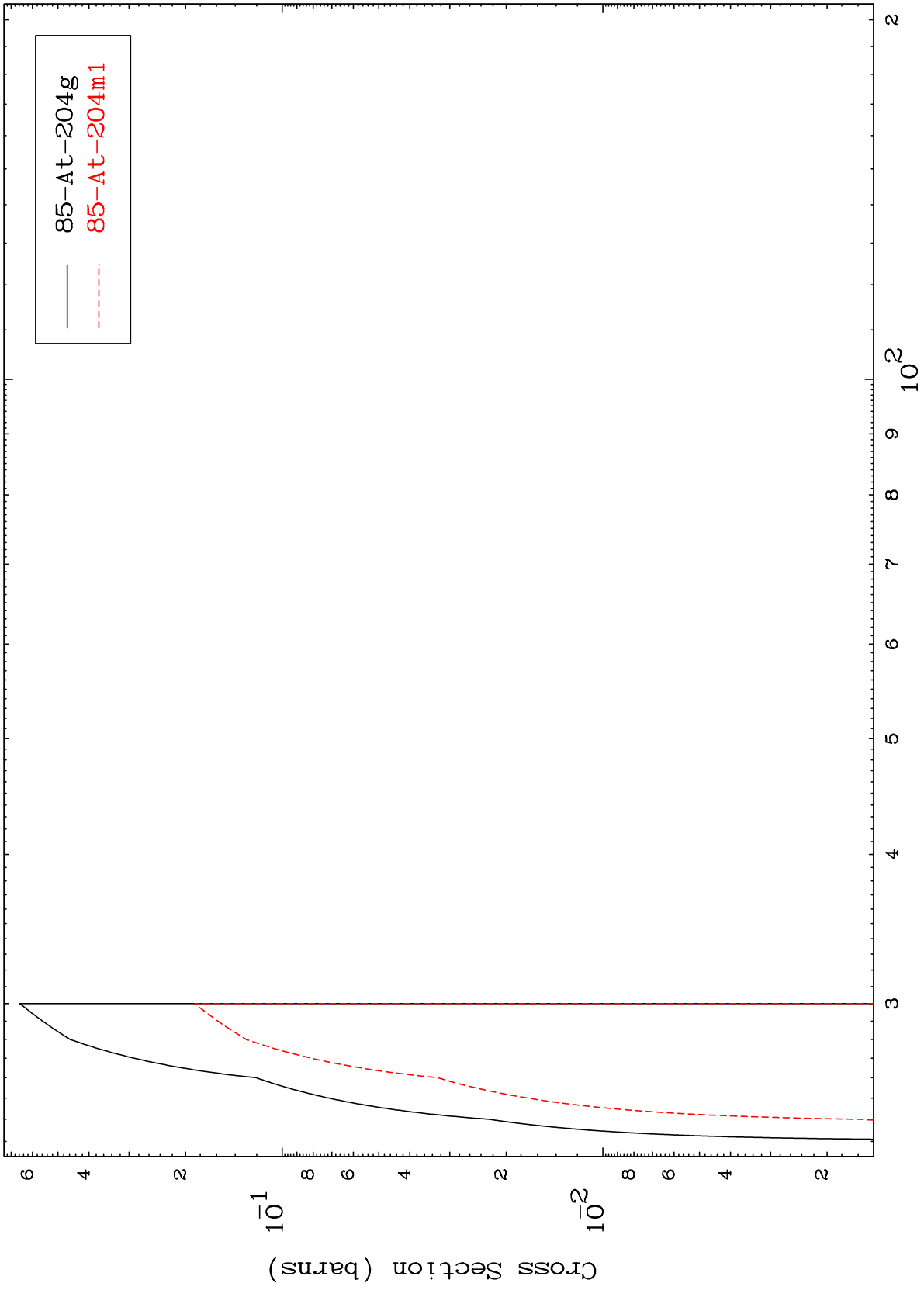
Incident Energy (MeV)

83-Bi-202

MAT 8304

83-Bi-202

($\alpha, 2n$)
Radionuclide Production Cross Section



11

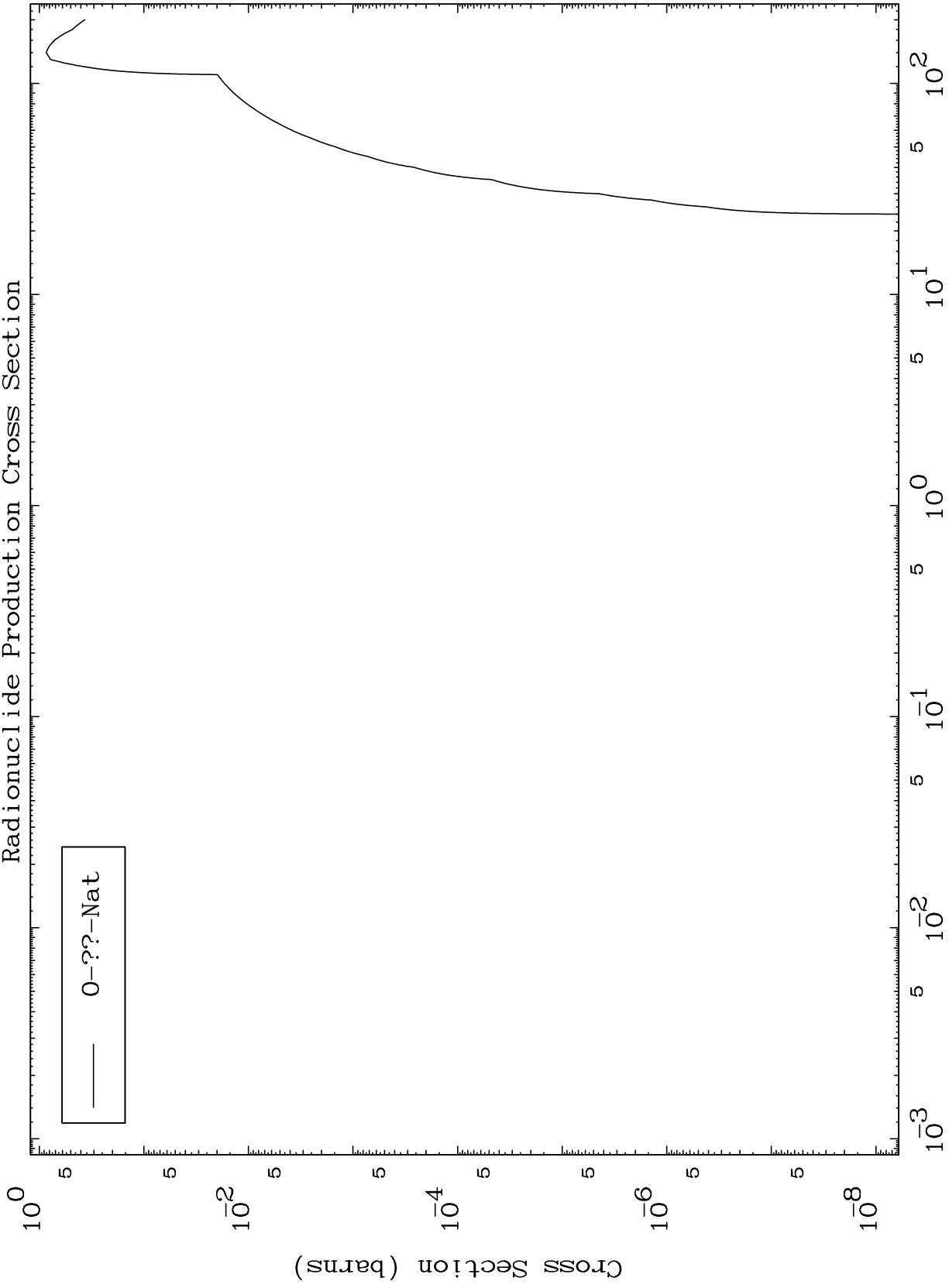
83-Bi-202

Incident Energy (MeV)

MAT 8304

α Fission
Radionuclide Production Cross Section

83-Bi-202



12

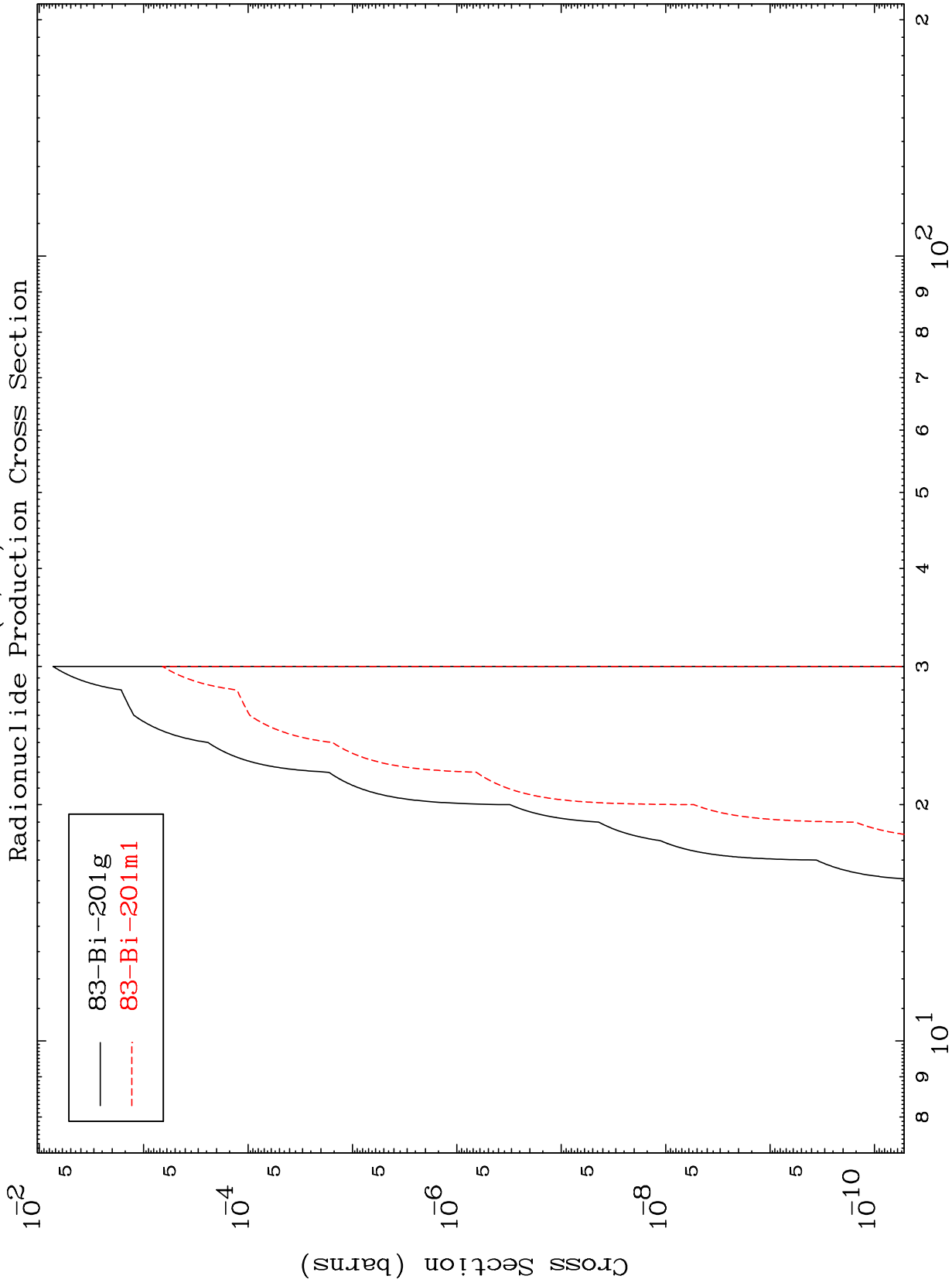
Incident Energy (MeV)

83-Bi-202

MAT 8304

83-Bi-202

(α, n') α
Radionuclide Production Cross Section



13

Incident Energy (MeV)

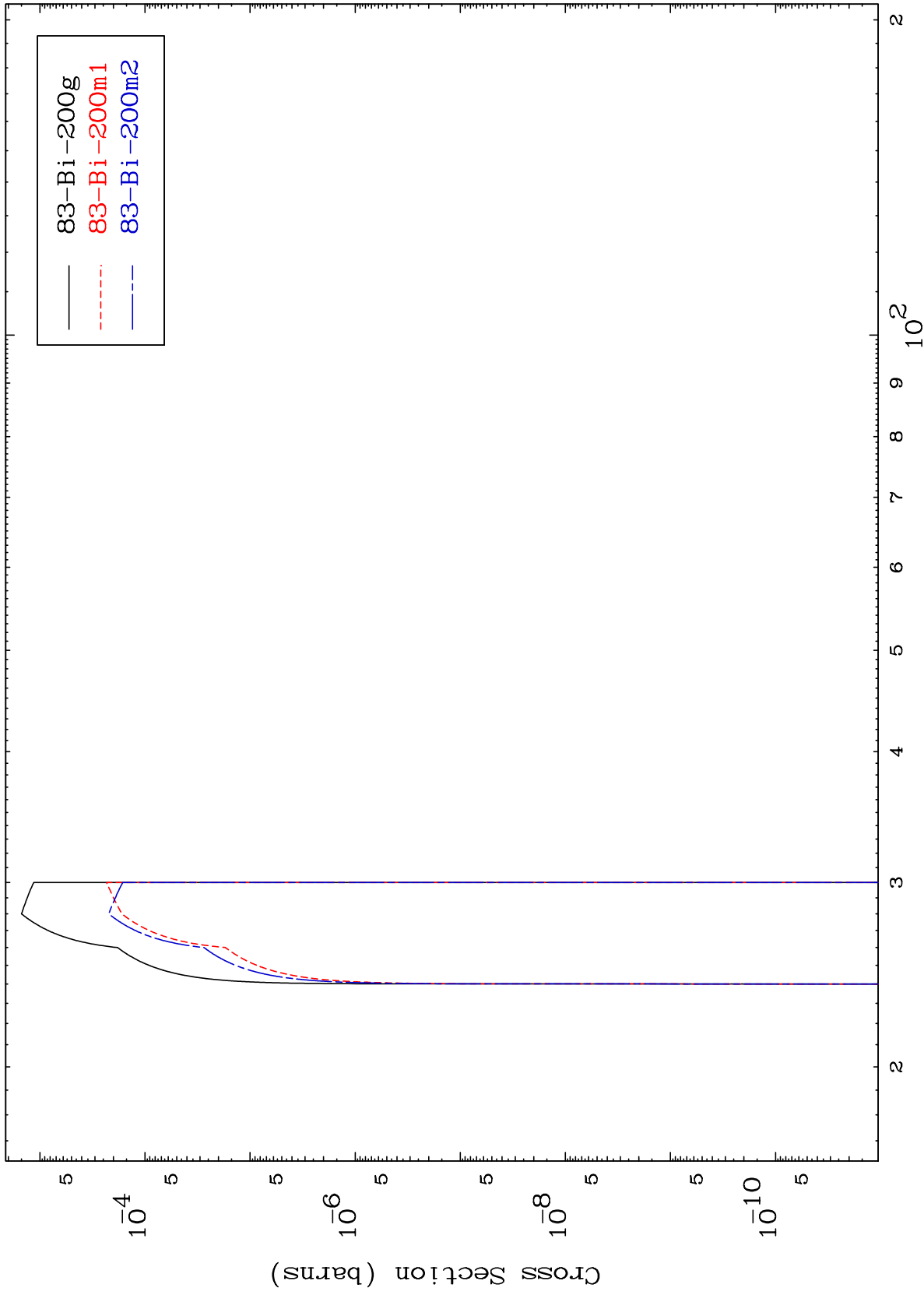
83-Bi-202

MAT 8304

$(\alpha, 2n) \alpha$

$^{83}\text{Bi}-202$

Radionuclide Production Cross Section



14

Incident Energy (MeV)

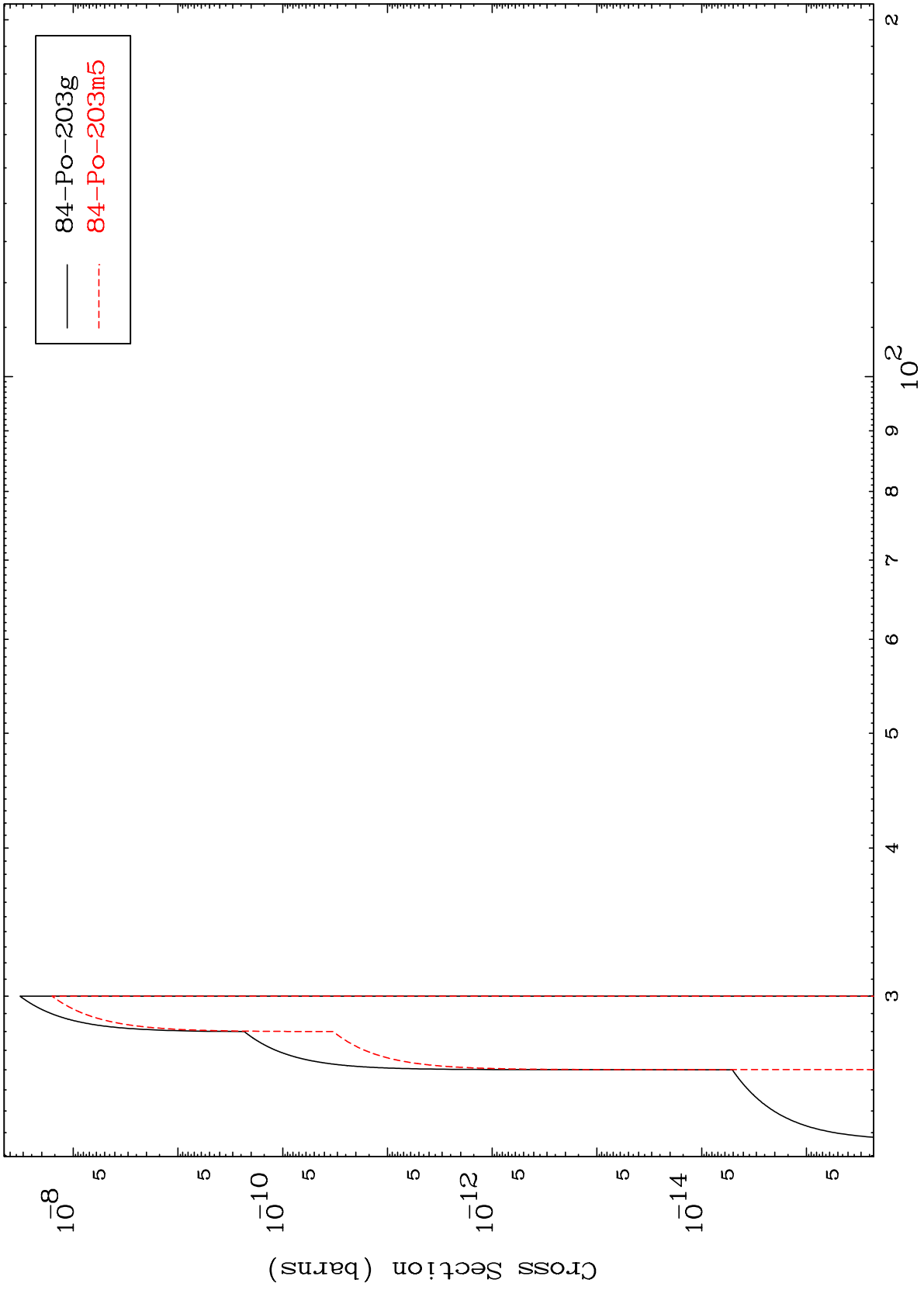
$^{83}\text{Bi}-202$

MAT 8304

(α, n') d

83-Bi-202

Radionuclide Production Cross Section



15

Incident Energy (MeV)

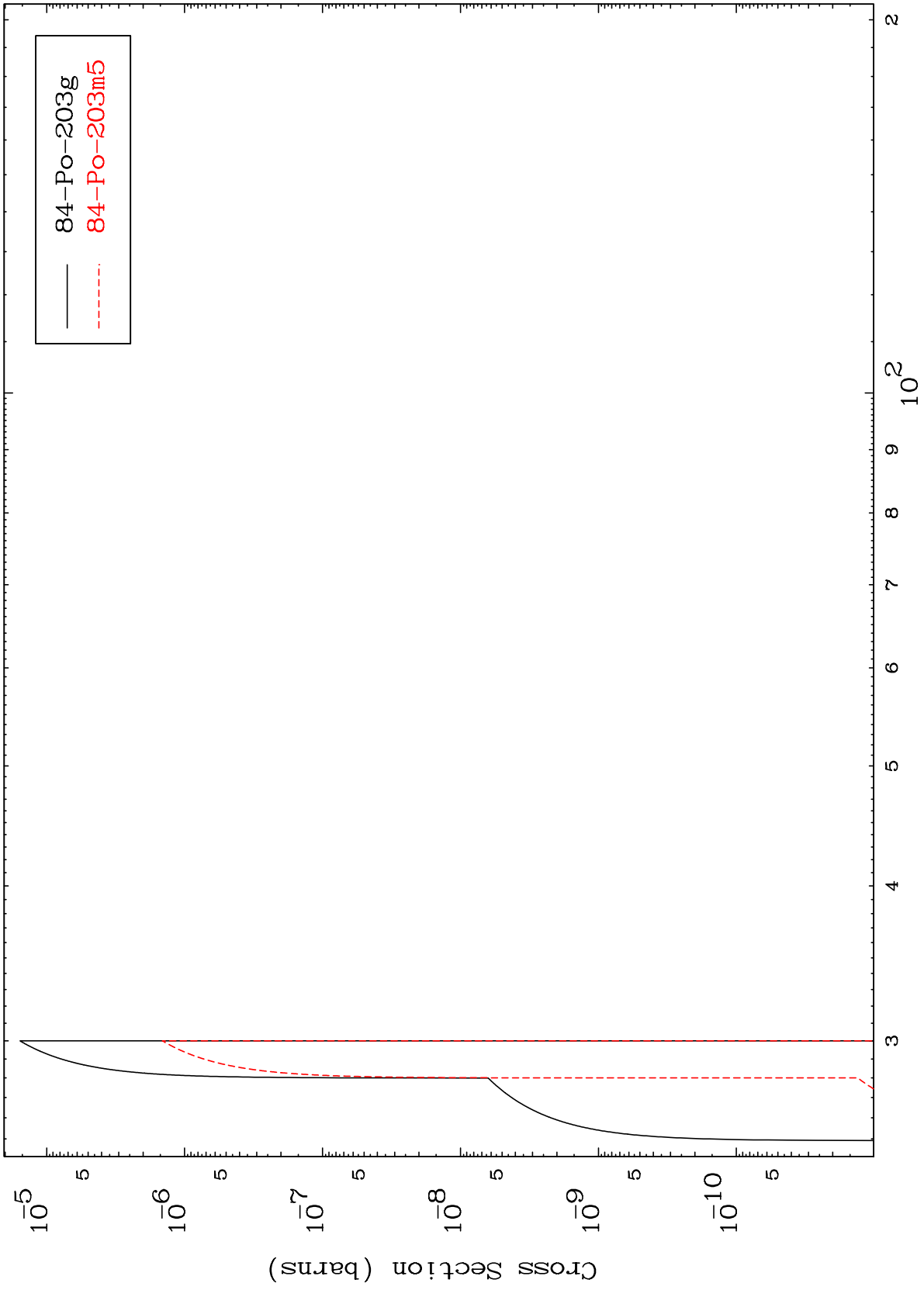
83-Bi-202

MAT 8304

($\alpha, 2n$) p

83-Bi-202

Radionuclide Production Cross Section



16

Incident Energy (MeV)

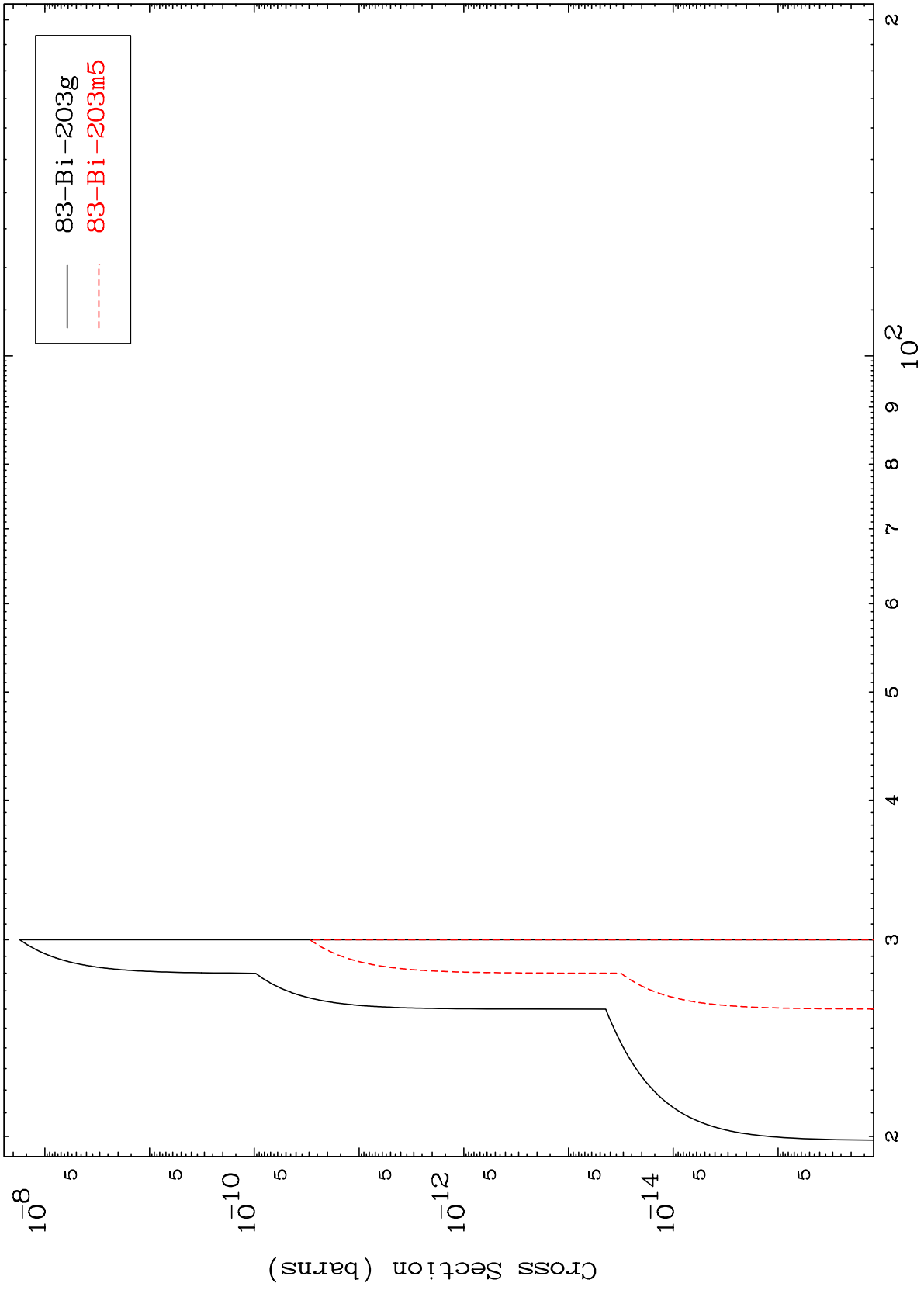
83-Bi-202

MAT 8304

$(\alpha, 2n)$ p

$^{83}\text{Bi}-202$

Radionuclide Production Cross Section



17

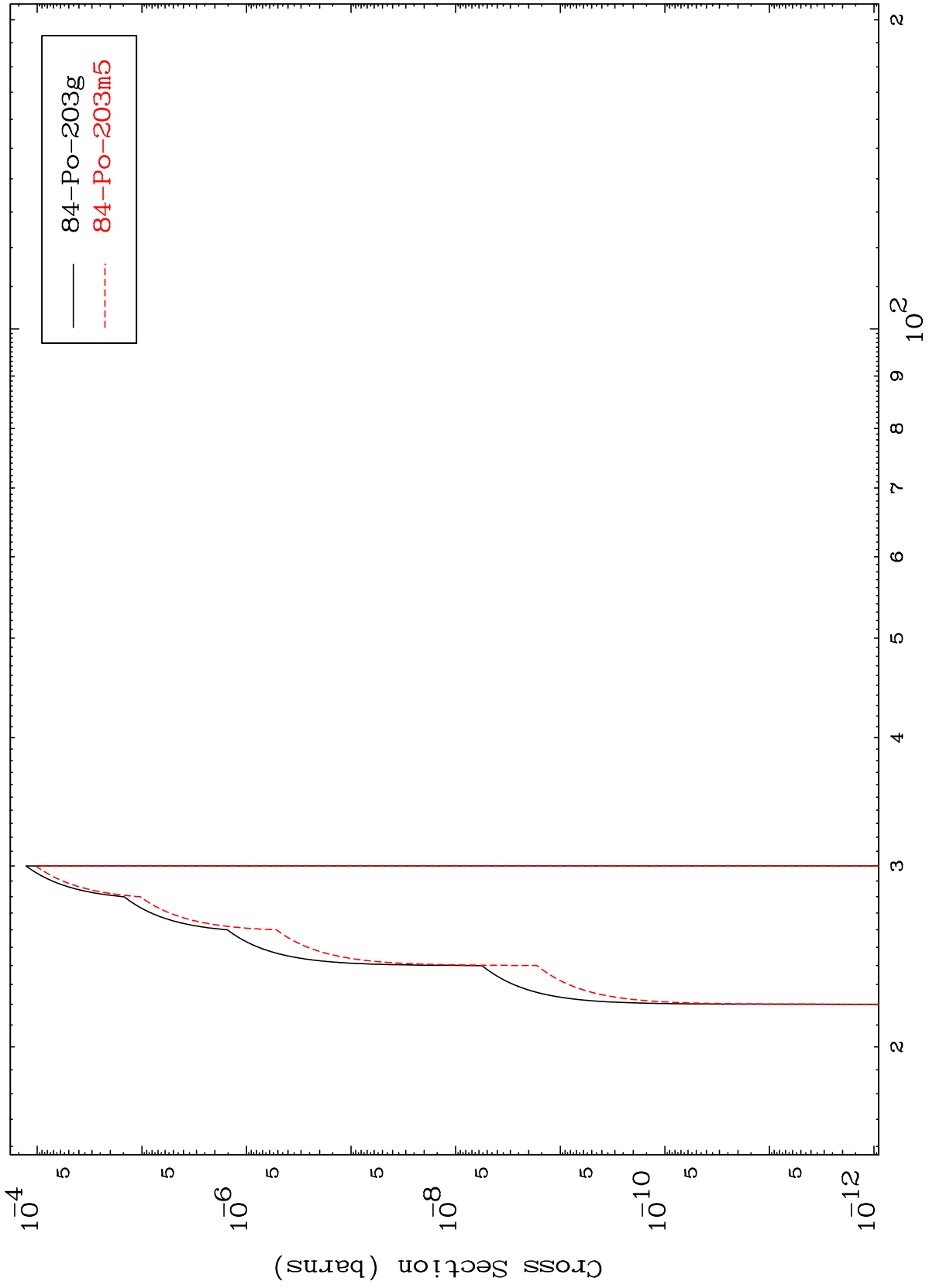
Incident Energy (MeV)

$^{83}\text{Bi}-202$

MAT 8304

83-Bi-202

(α, t)
Radionuclide Production Cross Section



18

Incident Energy (MeV)

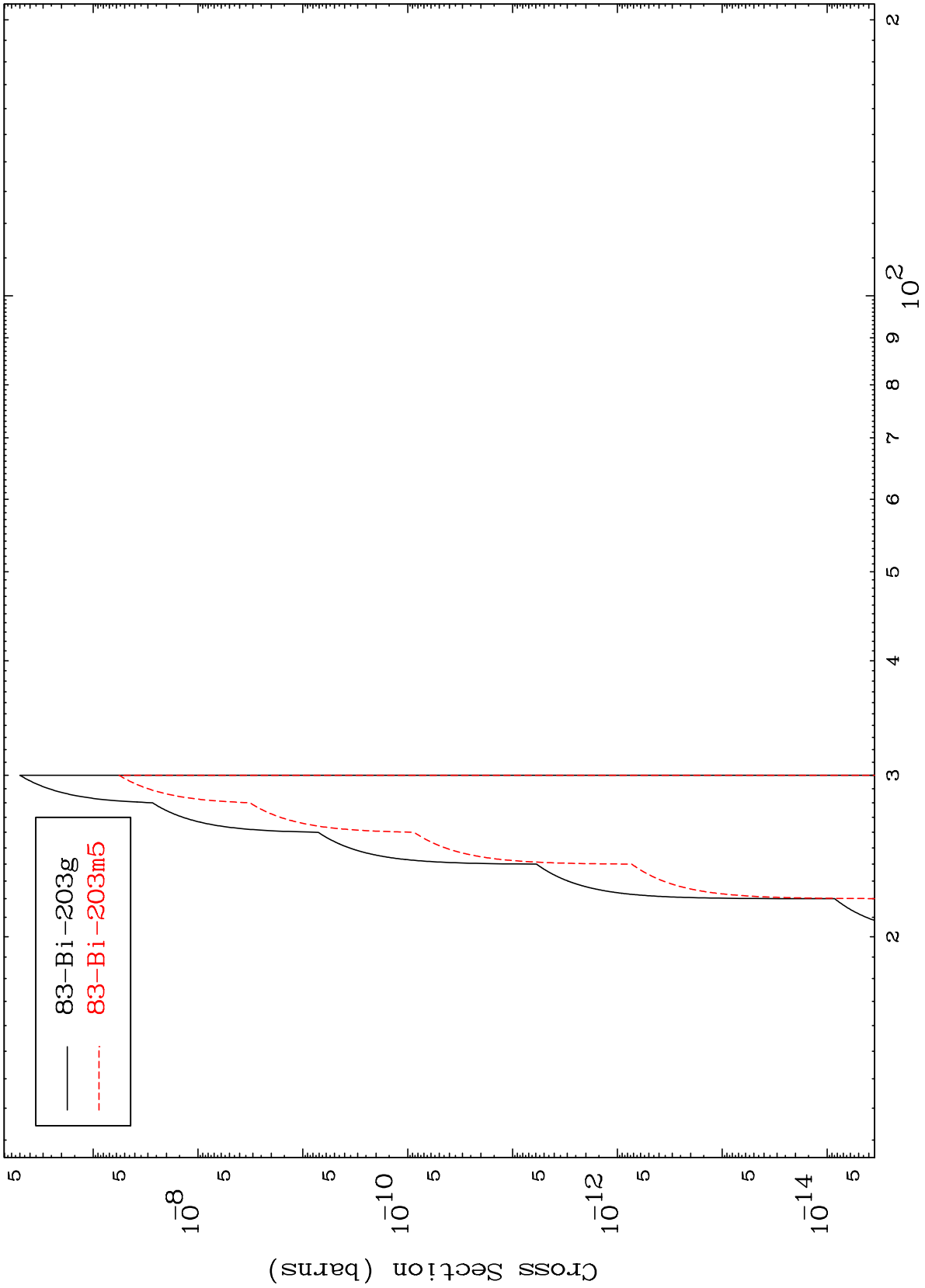
83-Bi-202

MAT 8304

($\alpha, \text{He-3}$)

83-Bi-202

Radionuclide Production Cross Section



19

Incident Energy (MeV)

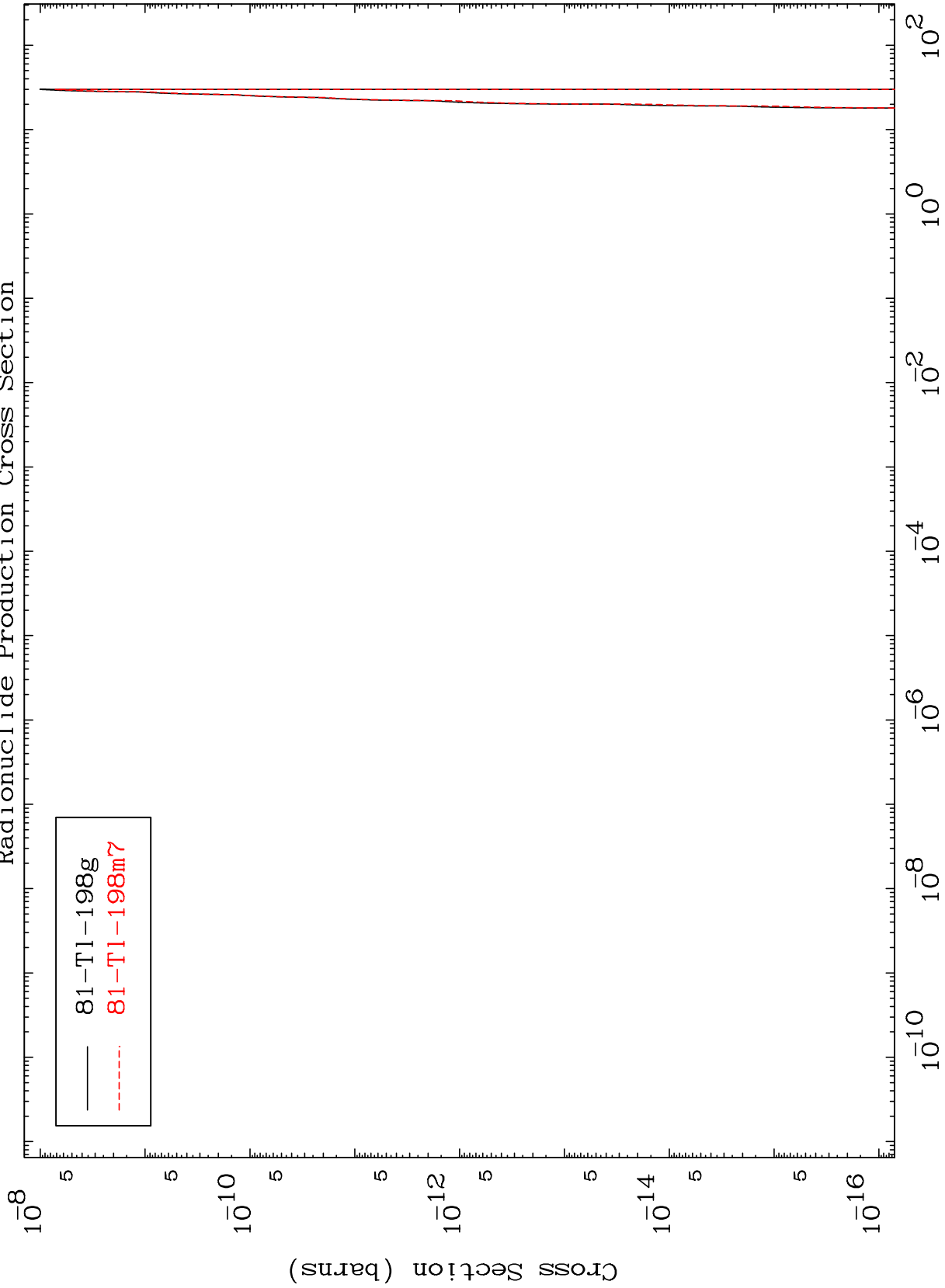
83-Bi-202

MAT 8304

($\alpha, 2\alpha$)

83-Bi-202

Radionuclide Production Cross Section



20

Incident Energy (MeV)

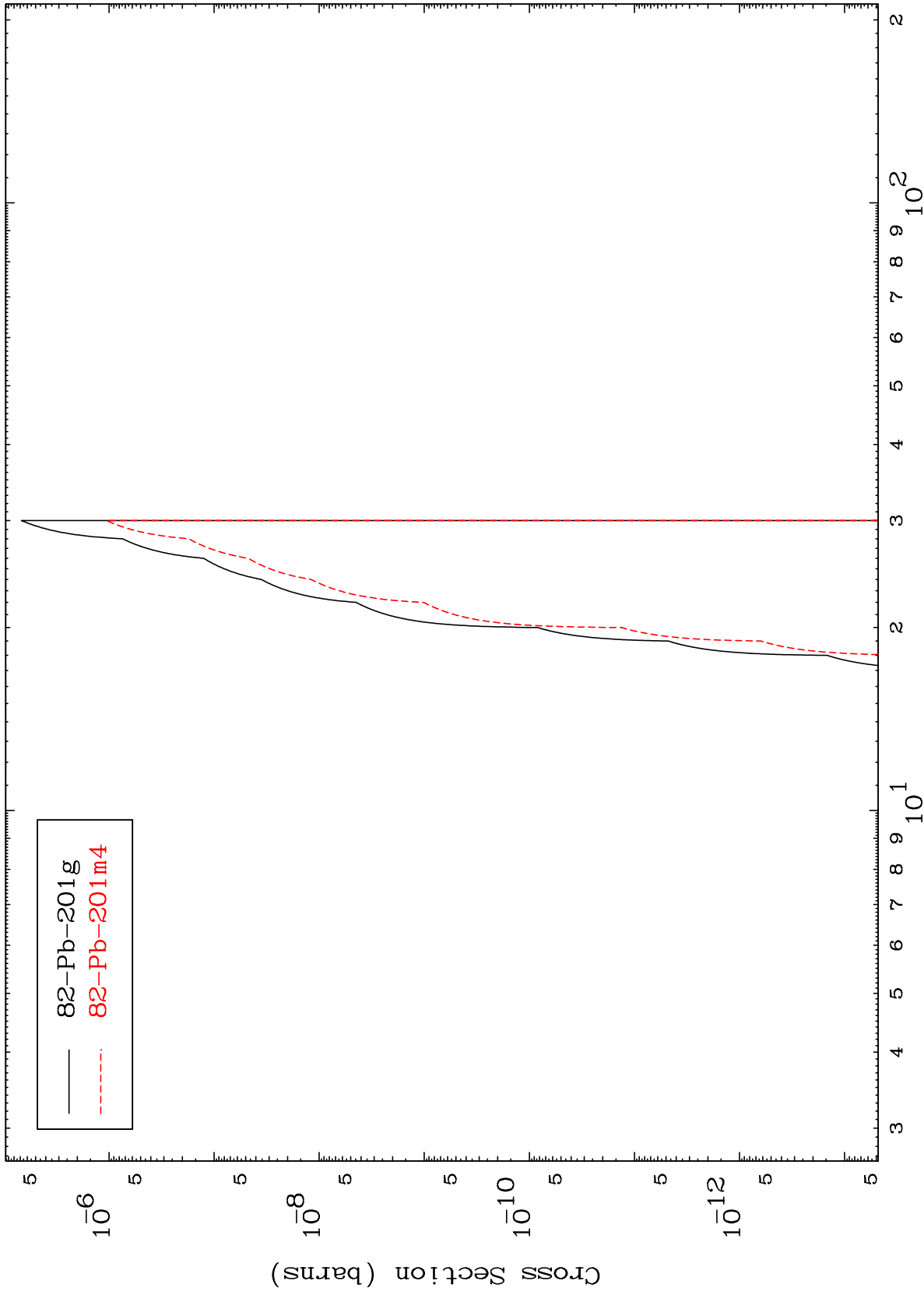
83-Bi-202

MAT 8304

(α, p) α

83-Bi-202

Radionuclide Production Cross Section



82-Pb-201 g
82-Pb-201 m4

21

Incident Energy (MeV)

83-Bi-202